

★ 'Vacoak' Mproc 18-Bit
HIGH PERFORMANCE
(bst
pgs)

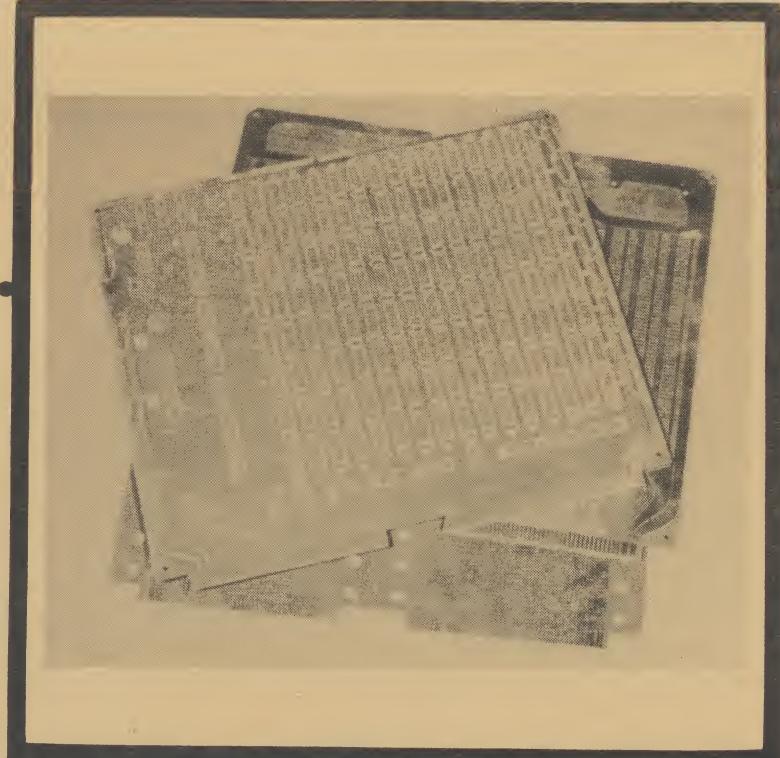
WCCF '73

PERSONAL

COMPUTING PRODUCTS

Presenting:

- 6 SLOT MOTHER BOARD
- UNIVERSAL BOARD
- EXTENDER BOARD
- RAM BOARD
- CHASSIS



Davis Laboratories

P.O. BOX 2787

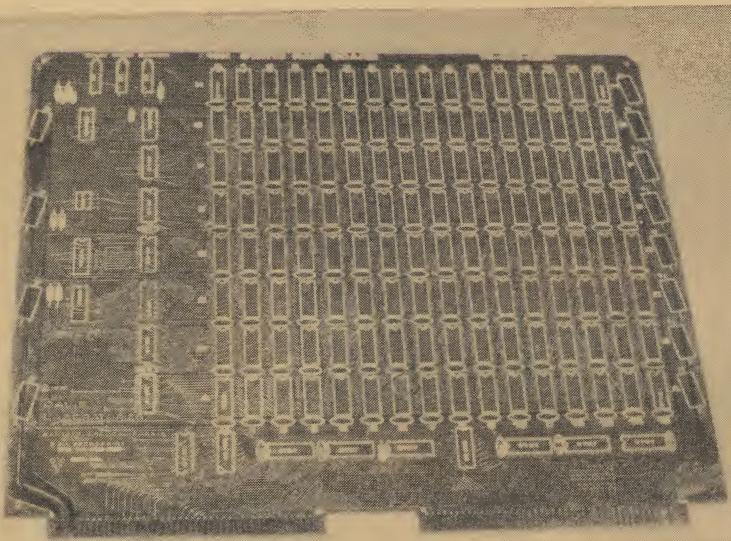
SANTA CLARA, CALIFORNIA

95051 • (408) 984-2930

○ 16K BYTE STATIC RAM BOARD

P/N 74-400-002-00

FEATURES:



- * POWER AND PIN CAPATIBLE WITH OTHER DAVIS LABS PRODUCTS AND THE AMI PROTOTYPING BOARD.
- * ORGANIZED AS A 16K X 8 OR 8K X 16.
- * USES 2102'S, 91L02'S OR SIMILAR ANIMALS.
- * ALL NECESSARY TIMING PROVIDED ON THE BOARD.
- * CYCLE EXTENDER TO ALLOW FOR SLOWER "CHEAP" MEMORIES.
- * CAN BE PARTIALLY LOADED (AS LITTLE AS 1K) AND EXPANDED AS MEMORY BECOMES AVAILABLE.
- * MOST BITS FOR THE BUCK.

FEATURES:

- * POWER AND PIN CAPATIBLE WITH OTHER DAVIS LABS PRODUCTS AND AMI PROTOTYPING BOARD.
- * 5400 HOLES THAT ACCEPT IC WIRE-WRAP SOCKETS ON .2 INCH, .3 INCH, .4 INCH, .6 INCH, .9INCH OR COMPONENTS THAT FIT ON A .1 INCH GRID GREATER THAN .2 INCHES (LARGE A/D,D/A,V/F,F/V CONVERTORS)
- * 5VCC AND GROUND DISTRIBUTED THROUGHOUT BOARD.
- * CAN HOLD 94 16 PIN IC'S OR CAN BE MODIFIED TO HOLD 188.
- * ROOM FOR 150 ENERGY STORAGE CAPACITORS.
- * ACCEPTS TWO 50 PIN AND ONE 20 PIN FLAT CABLE CONNECTORS AND ONE 25 PIN D CONNECTOR FOR RS232C.
- * ALL BUSS LINES TERMINATE ON WIRE-WRAP SOCKETS.



○ UNIVERSAL BOARD

P/N 74-400-001-00

° EXTENDER BOARD (NOT PICTURED)

P/N 74-400-004-00

- * THIS BOARD EXTENDS A BOARD TO BE WORKED ON BEYOND THE OTHER BOARDS IN THE CHASSIS. "ELIMINATES THE NEED FOR $\frac{1}{4}$ INCH THICK HANDS."



° 6 SLOT MOTHER BOARD

P/N 74-400-003-00

FEATURES:

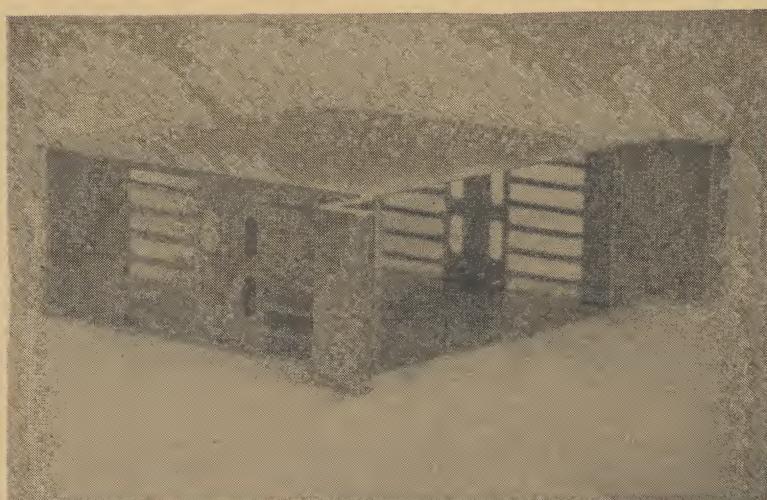
- * POWER AND PIN COMPATIBLE WITH OTHER DAVIS LABS PRODUCTS AND AMI PROTOTYPING BOARD.
- * INTERCONNECTS UP TO 6 BOARDS ON .75 INCH CENTERS.
- * ALL POWER AND BUS LINES ARE CONNECTED TO EACH SLOT.
- * DESIGNED TO FIT CHASSIS.

° CHASSIS

P/N 99-010-001-00

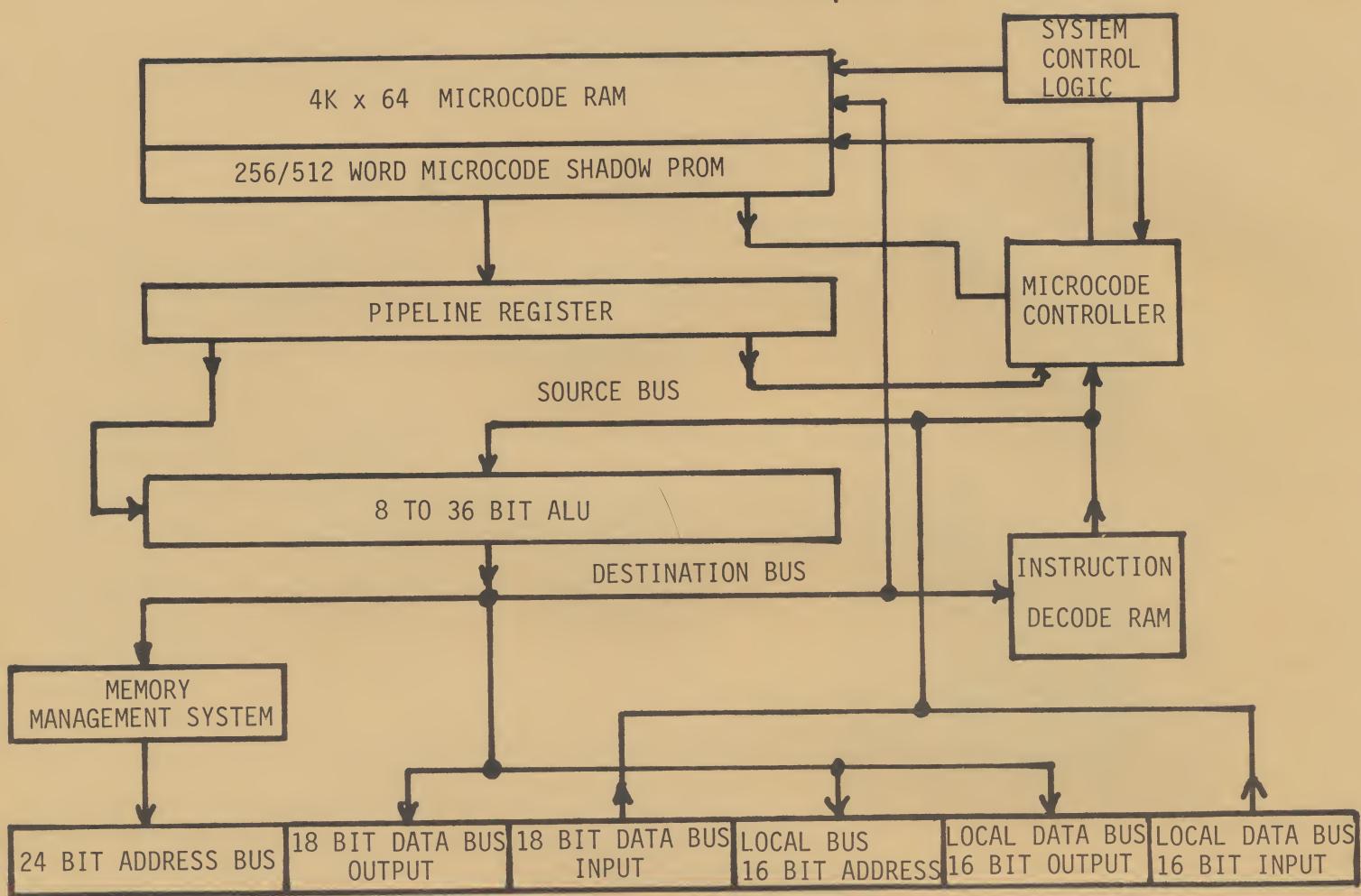
FEATURES:

- * SECURELY HOLDS 6 BOARDS OF THE AMI-DAVIS FORMAT.
- * $5\frac{1}{4}$ INCHES HIGH, FITS STANDARD 19 INCH RACK OR INSTRUMENT CASE.
- * DESIGNED TO PROVIDE POSITIVE AIR FLOW.
- * BUILT IN MOUNTS FOR TWO FANS.
- * ACCESS TO THE TOP AND BOTTOM OF THE BACK PLANE CONNECTOR.
- * EXTRA DEEP TO PROTECT WIRE-WRAP CONNECTORS.
- * MADE OF STEEL "RUGGED".



VACUUM

VARIABLE ARCHITECTURE COMPUTING MACHINE



FEATURES:

- * VARIABLE ARCHITECTURE
- * VARIABLE WORD LENGTH 8-36 BITS
- * 64 BIT HORIZONTAL MICROCODE
- * 4K MICROCODE RAM
- * 256/512 MICROCODE SHADOW PROM
- * WRITABLE MICROCODE STORE
- * 24 BIT MAIN ADDRESS SPACE
- * MEMORY MANAGEMENT ON 1K BOUNDARY
- * 16 BIT LOCAL BUSS
- * 6 PARAMETERS STORED FOR EACH MEMORY PAGE
- * RAM INSTRUCTION DECODE
- * FULL PIPELINE REGISTER
- * USES DAVIS LABS CHASSIS AND BOARDS

BENEFITS:

- * SUPER EMULATION MACHINE
- * MOST USED WORD LENGTH AVAILABLE
- * GREATEST FLEXIBILITY AND VERSATILITY
- * CAN HANDLE 5-8 INSTRUCTION SETS CONCURRENTLY
- * NATIVE INSTRUCTIONS FOR STARTUP
- * CAN MODIFY INSTRUCTION SETS
- * 32 MEGABYTE REAL/VIRTUAL MEMORY SPACE
- * MAP MEMORY AND PROTECT ANY PORTION OF MEMORY
- * SEPARATE MEMORY AND I/O
- * SETUP FOR PAGING AND PROTECTION SYSTEM
- * WRITE YOUR OWN INSTRUCTION SET
- * ALLOWS FASTER OPERATION
- * SUPPORT ALREADY AVAILABLE